

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P416851

Luminaire Tested: **LXF.LXT-PA1-80-760-U-SL3-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416851  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-80-760-U-SL3-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7703 lumens  
Efficiency: N/A  
Efficacy: 92.8 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type III - Medium - Non-Cutoff  
BUG Rating: B1 - U0 - G2

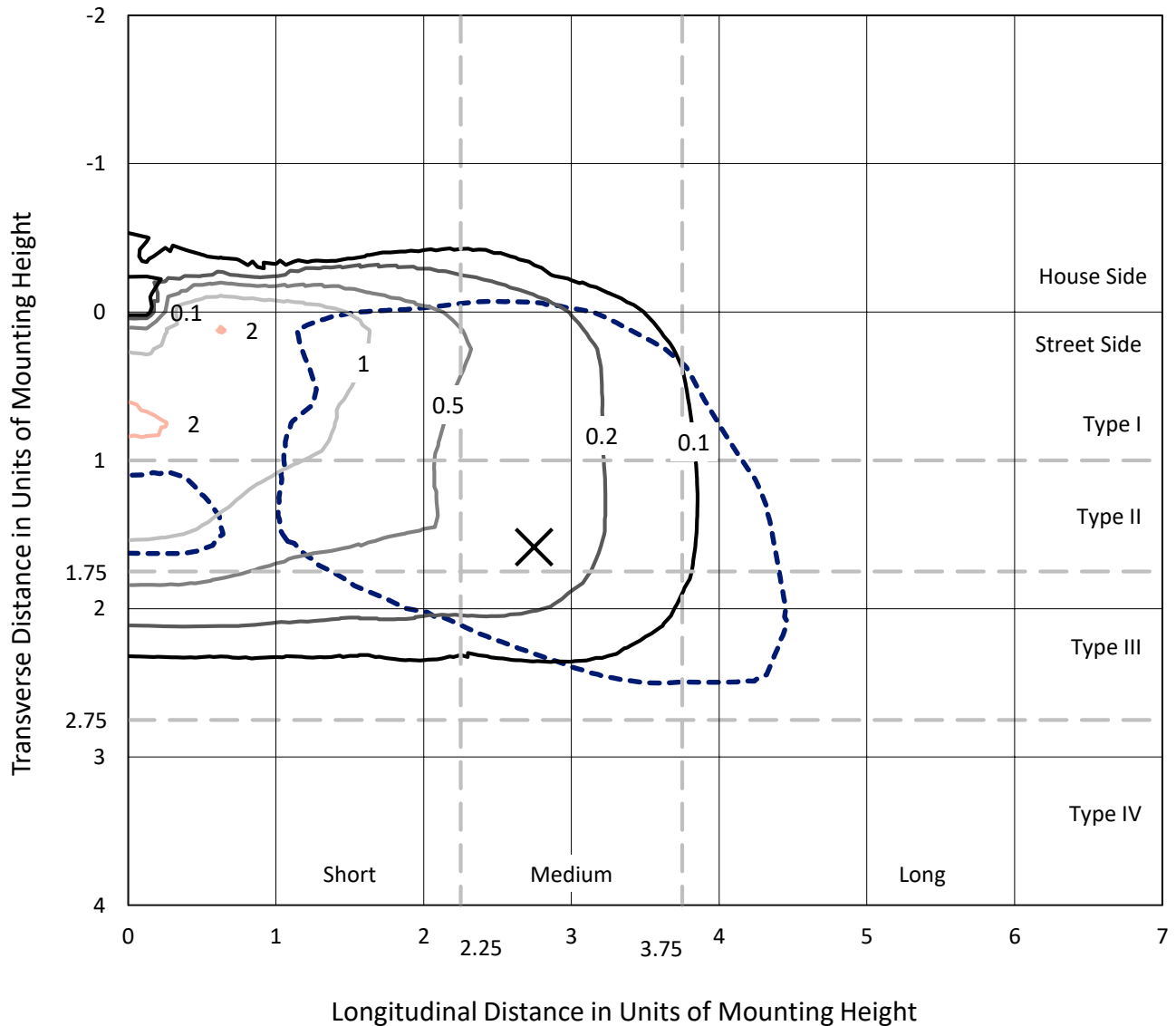
Input Watts (W): 83  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

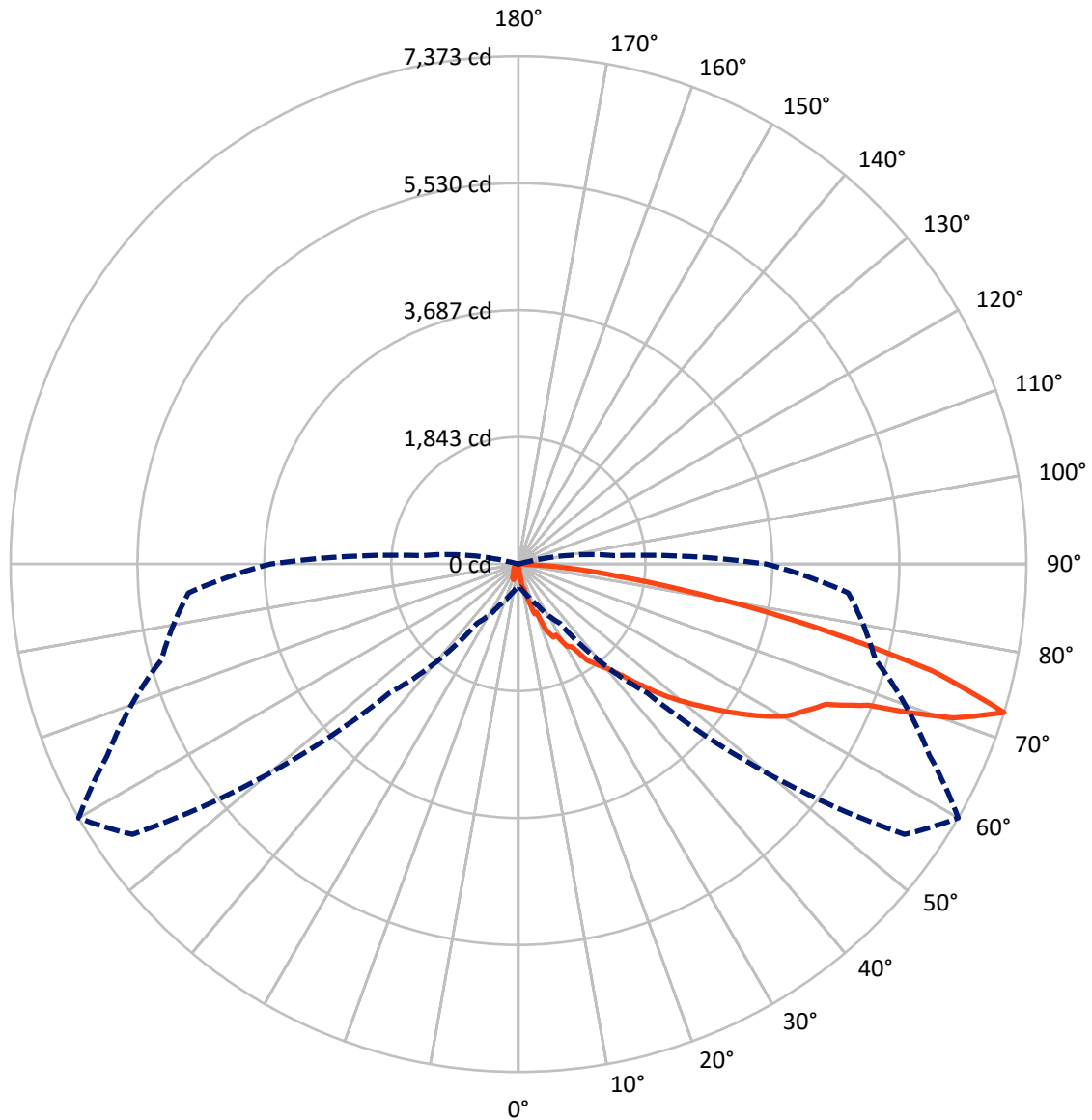


Based on 25 foot mounting height. Maximum calculated value = 2.2 fc  
 Type III - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical



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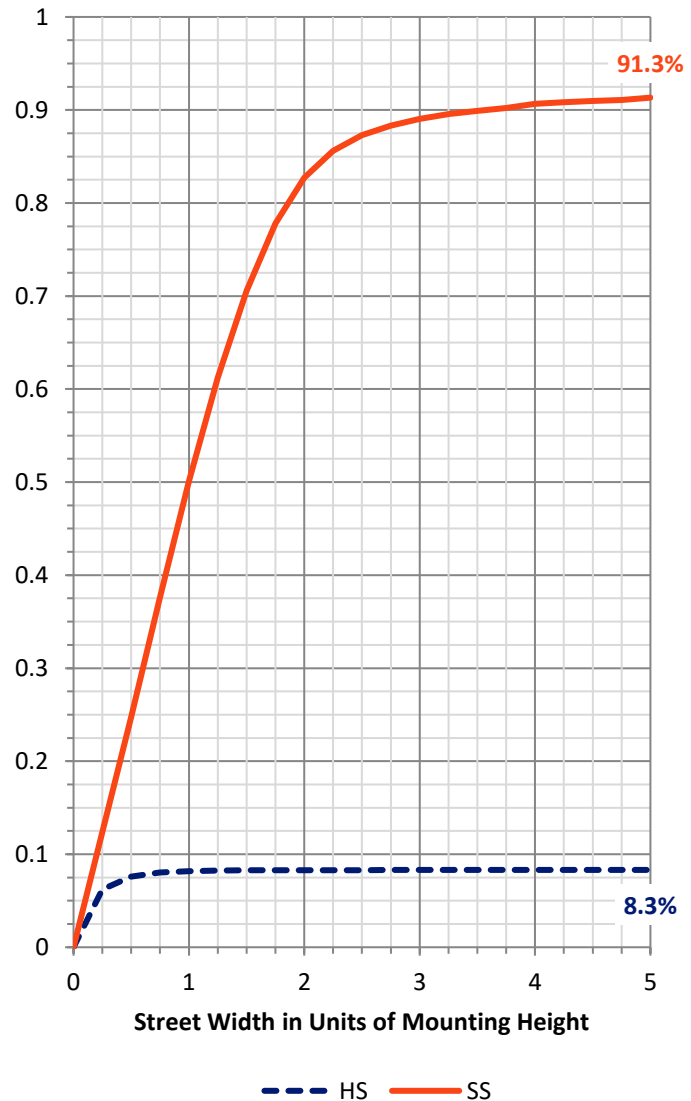
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	646.1	0.0	646.1
	% Fixture	8.4	0.0	8.4
<b>Street Side</b>	Lumens	7056.9	0.0	7056.9
	% Fixture	91.6	0.0	91.6
<b>Total</b>	Lumens	7703.0	0.0	7703.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.3	0.1
10°-20°	107.3	1.4
20°-30°	335.5	4.4
30°-40°	723.3	9.4
40°-50°	1229.8	16.0
50°-60°	1818.2	23.6
60°-70°	1977.7	25.7
70°-80°	1347.9	17.5
80°-90°	152.9	2.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7703.0	100.0
0°-180°	7703.0	100.0

**Coefficient of Utilization**



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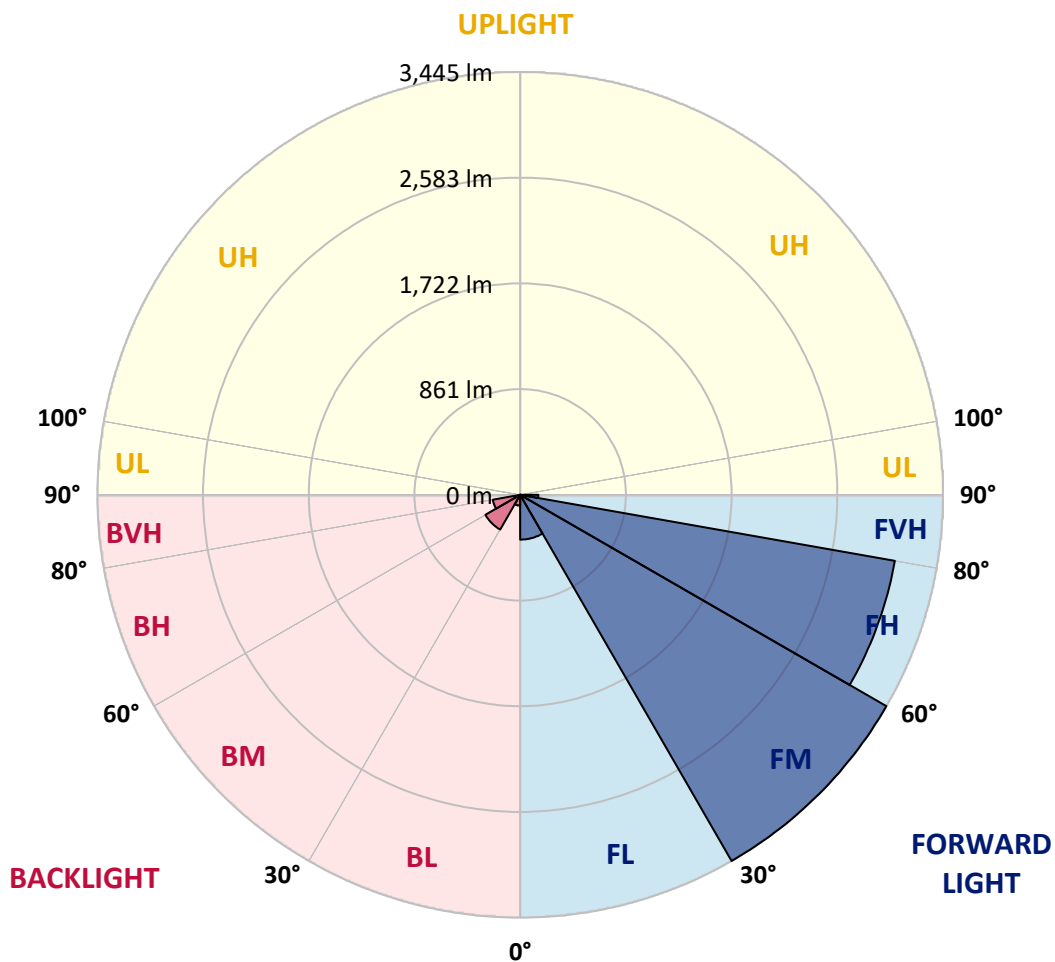
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	364.8	4.7			
FM	(30°-60°)	3444.6	44.7			
FH	(60°-80°)	3099.2	40.2			G2/5000
FVH	(80°-90°)	148.3	1.9			G2/225
BL	(0°-30°)	88.3	1.1	B0/110		
BM	(30°-60°)	326.7	4.2	B1/1000		
BH	(60°-80°)	226.4	2.9	B1/500		G1/500
BVH	(80°-90°)	4.6	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	7.0	5.0	5.0	4.0	3.0	3.0	3.0	4.0	4.0	3.0	4.0
5°	394.0	389.0	389.0	391.0	254.0	43.0	24.0	10.0	4.0	4.0	4.0
7.5°	374.0	370.0	372.0	377.0	380.0	385.0	385.0	118.0	38.0	4.0	4.0
10°	383.0	380.0	364.0	361.0	367.0	372.0	374.0	383.0	372.0	11.0	4.0
12.5°	674.0	669.0	669.0	678.0	394.0	360.0	364.0	373.0	322.0	42.0	23.0
15°	645.0	641.0	642.0	653.0	668.0	474.0	374.0	554.0	711.0	642.0	510.0
17.5°	900.0	775.0	670.0	638.0	641.0	662.0	725.0	762.0	723.0	731.0	556.0
20°	919.0	912.0	908.0	915.0	656.0	873.0	922.0	748.0	728.0	783.0	1026.0
22.5°	951.0	935.0	903.0	899.0	1010.0	860.0	893.0	1046.0	1074.0	1147.0	1068.0
25°	1288.1	1276.1	1243.1	946.0	1036.0	988.0	1126.0	1177.0	1160.0	1208.0	1158.0
27.5°	1415.1	1392.1	1321.1	1228.1	1100.0	1165.0	1139.0	1167.0	1281.1	1664.1	1633.1
30°	1983.1	1922.1	1726.1	1414.1	1308.1	1213.0	1325.1	1384.1	1480.1	1703.1	1674.1
32.5°	2155.1	2090.1	1948.1	1800.1	1550.1	1375.1	1458.1	1432.1	1501.1	2078.1	2198.1
35°	2656.1	2626.1	2370.1	1959.1	1895.1	1622.1	1531.1	1710.1	1812.1	2107.1	2310.1
37.5°	2662.1	2664.1	2649.1	2371.1	2078.1	1823.1	1840.1	1847.1	1926.1	2245.1	2440.1
40°	2747.1	2761.1	2798.1	2588.1	2341.1	2114.1	2069.1	1999.1	2069.1	2400.1	2618.1
42.5°	2925.1	2935.1	3017.1	2798.1	2549.1	2341.1	2364.1	2221.1	2272.1	2693.1	2860.1
45°	3238.1	3232.1	3335.1	3019.1	2743.1	2600.1	2626.1	2516.1	2485.1	2933.1	3144.1
47.5°	3592.1	3614.1	3610.1	3263.1	2936.1	2841.1	2916.1	2857.1	2735.1	3239.1	3475.1
50°	3927.2	3920.2	3816.2	3401.1	3108.1	3077.1	3250.1	3153.1	3042.1	3550.1	3794.2
52.5°	4049.2	4055.2	3931.2	3484.1	3255.1	3311.1	3570.1	3472.1	3328.1	3772.2	4111.2
55°	4027.2	4035.2	3965.2	3569.1	3365.1	3530.1	3902.2	3818.2	3656.2	4013.2	4349.2
57.5°	3821.2	3821.2	3878.2	3622.1	3472.1	3726.2	4198.2	4164.2	3964.2	4213.2	4491.2
60°	3295.1	3351.1	3530.1	3558.1	3598.1	3938.2	4491.2	4480.2	4237.2	4400.2	4575.2
62.5°	2534.1	2552.1	2948.1	3248.1	3608.1	4223.2	4738.2	4685.2	4439.2	4457.2	4634.2
65°	1437.1	1519.1	1885.1	2643.1	3403.1	4521.2	5135.2	4908.2	4616.2	4525.2	4851.2
67.5°	774.0	804.0	1008.0	1600.1	2789.1	4554.2	6035.2	5474.2	5036.2	4883.2	5276.2
70°	500.0	532.0	642.0	879.0	1749.1	4027.2	6882.3	6693.3	5903.2	5373.2	5341.2
72.5°	325.0	344.0	463.0	662.0	1052.0	2653.1	6843.3	7373.3	6588.3	5364.2	4808.2
75°	132.0	145.0	232.0	551.0	889.0	1300.1	5250.2	6217.3	6185.3	4767.2	3721.2
77.5°	66.0	70.0	103.0	298.0	789.0	900.0	3322.1	4385.2	4403.2	3475.1	2069.1
80°	43.0	42.0	59.0	140.0	538.0	819.0	1858.1	2694.1	2519.1	1318.1	580.0
82.5°	17.0	18.0	32.0	80.0	225.0	741.0	1060.0	1450.1	1134.0	257.0	167.0
85°	3.0	3.0	10.0	43.0	71.0	339.0	684.0	702.0	466.0	81.0	84.0
87.5°	1.0	1.0	2.0	3.0	5.0	8.0	30.0	14.0	9.0	14.0	16.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	4.0	4.0	4.0	3.0	3.0	2.0	0.0	0.0	1.0	1.0	1.0
5°	4.0	4.0	4.0	3.0	3.0	1.0	0.0	0.0	1.0	1.0	1.0
7.5°	4.0	4.0	4.0	3.0	2.0	1.0	0.0	0.0	1.0	1.0	1.0
10°	4.0	4.0	4.0	3.0	2.0	1.0	29.0	185.0	191.0	192.0	190.0
12.5°	25.0	26.0	14.0	3.0	2.0	172.0	171.0	143.0	125.0	118.0	109.0
15°	543.0	516.0	427.0	252.0	139.0	141.0	104.0	77.0	62.0	58.0	56.0
17.5°	538.0	499.0	393.0	230.0	242.0	106.0	56.0	62.0	81.0	82.0	82.0
20°	1011.0	887.0	384.0	257.0	163.0	92.0	73.0	77.0	77.0	78.0	77.0
22.5°	1054.0	930.0	575.0	328.0	117.0	97.0	83.0	72.0	74.0	96.0	93.0
25°	1063.0	912.0	533.0	257.0	113.0	97.0	91.0	88.0	99.0	99.0	100.0
27.5°	1532.1	1282.1	646.0	193.0	112.0	101.0	101.0	92.0	89.0	88.0	89.0
30°	1529.1	1238.1	551.0	163.0	108.0	100.0	91.0	82.0	99.0	100.0	100.0
32.5°	2007.1	1583.1	533.0	132.0	108.0	92.0	80.0	85.0	79.0	79.0	79.0
35°	2035.1	1543.1	420.0	137.0	96.0	84.0	78.0	66.0	70.0	71.0	69.0
37.5°	2089.1	1515.1	319.0	124.0	96.0	78.0	64.0	59.0	55.0	54.0	54.0
40°	2186.1	1517.1	246.0	114.0	90.0	71.0	57.0	48.0	50.0	50.0	49.0
42.5°	2331.1	1546.1	193.0	105.0	81.0	63.0	48.0	43.0	40.0	40.0	39.0
45°	2523.1	1608.1	158.0	98.0	74.0	54.0	39.0	35.0	32.0	32.0	31.0
47.5°	2761.1	1695.1	138.0	91.0	66.0	45.0	32.0	28.0	26.0	25.0	25.0
50°	3015.1	1799.1	127.0	85.0	57.0	36.0	26.0	22.0	20.0	20.0	19.0
52.5°	3278.1	1918.1	118.0	81.0	49.0	30.0	20.0	16.0	15.0	14.0	15.0
55°	3491.1	1990.1	112.0	80.0	41.0	24.0	15.0	12.0	11.0	10.0	10.0
57.5°	3631.1	2029.1	104.0	74.0	33.0	18.0	11.0	8.0	7.0	7.0	7.0
60°	3741.2	2051.1	94.0	59.0	26.0	13.0	7.0	5.0	5.0	5.0	5.0
62.5°	3828.2	2066.1	79.0	46.0	20.0	9.0	5.0	3.0	3.0	3.0	3.0
65°	4086.2	2154.1	61.0	35.0	15.0	6.0	3.0	2.0	1.0	2.0	2.0
67.5°	4400.2	2191.1	45.0	25.0	11.0	4.0	2.0	1.0	1.0	1.0	2.0
70°	4276.2	1909.1	33.0	18.0	8.0	3.0	2.0	1.0	1.0	1.0	2.0
72.5°	3593.1	1395.1	24.0	13.0	6.0	3.0	2.0	1.0	1.0	2.0	2.0
75°	2584.1	787.0	19.0	9.0	5.0	3.0	2.0	2.0	2.0	3.0	3.0
77.5°	1216.0	293.0	19.0	8.0	5.0	3.0	2.0	2.0	3.0	4.0	2.0
80°	295.0	73.0	19.0	7.0	5.0	3.0	3.0	3.0	4.0	4.0	2.0
82.5°	99.0	31.0	14.0	6.0	5.0	3.0	3.0	4.0	4.0	5.0	3.0
85°	60.0	20.0	10.0	7.0	6.0	3.0	4.0	4.0	5.0	6.0	3.0
87.5°	10.0	8.0	7.0	7.0	6.0	4.0	4.0	5.0	5.0	6.0	4.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)